Ben Eater’s 8 Bit Computer

Testing and TroubleShooting

**Testing:**

Run a Functional Module Check. You may Need to hookup the required INPUTS and OUTPUTS to see if the Module is operational.

Running the subsystem checks before networking them together or through the BUS will help isolate for troubleshooting.

ADD another module Test operations if good then add one more and Test. Do this until they Master System is completed.

**TroubleShooting:**

**Problem**

Clock has an inverter OUTPUT and only lights if the LED is place in circuit with Cathode to pin 8 of the 74LS08 AND Gate and Anode to VCC.

**Solution**

Maksure the ICs have VCC and Ground connected

***Power distribution Problems***

Why does an LED light when the INPUT is 0?